5.3.6 APORTS

RFA APORTS processing provides the user with the capabilities to administer the APORTS reference file. The RFA main menu, RFA - Select File window, is shown in Figure 5.3.6-1. To access APORTS files, highlight the **{Airports File}** option in the list box on the left. Click on the applicable button on the right to use the particular APORTS function desired.

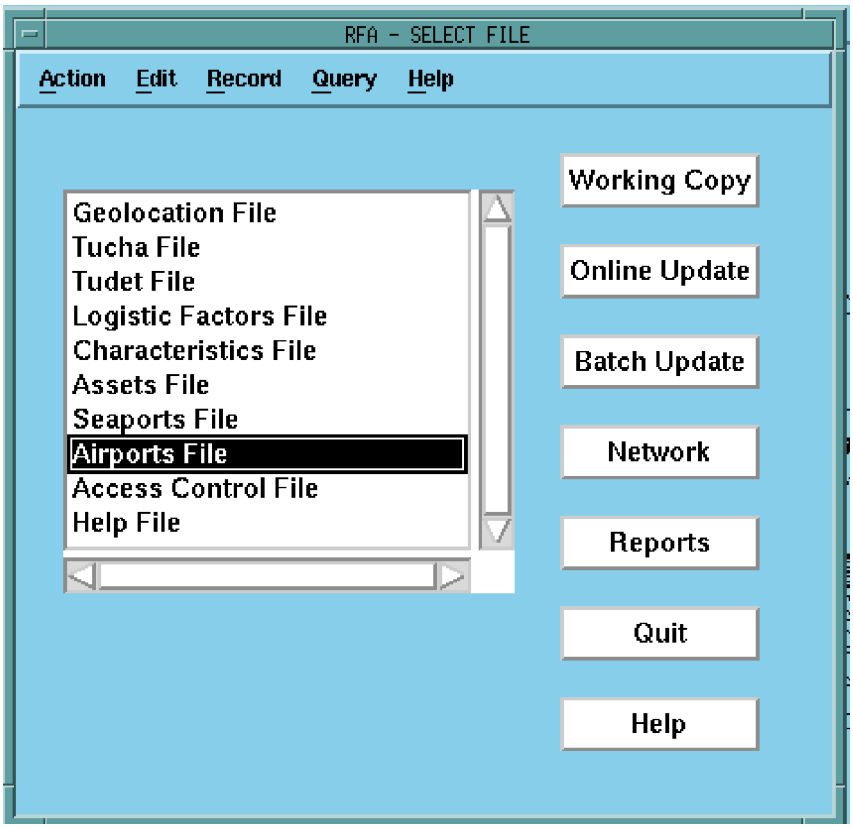

Figure 5.3.6-1. RFA - Select File Window

Push Buttons. This window provides the following buttons:

{Working Copy} Copies the APORTS reference file from the JOPES Core database to the RFA database (See Paragraph 5.3.6.1).

{Online Update} This function is not provided at this time.

{Batch Update} Provides the user with the capability to process JRS transaction files (See Paragraph 5.3.6.2).

{Network} Consolidates all updates that have occurred since the last Working Copy, and generates an ORACLE script to use in updating the APORTS file at all JOPES Core database sites (See Paragraph 5.3.6.3).

{Reports} Brings up a menu of available APORTS and general reports (See Paragraph 5.3.6.4).

{Quit} Terminates APORTS processing, and invokes session control processing prior to ending RFA.

{Help} Provides Online Help for the RFA main menu.

5.3.6.1 APORTS Working Copy

The APORTS Working Copy function copies the live APORTS tables from the user's local node JOPES Core database into the local APORTS tables in the RFA database. This function is called when highlighting the **{Airports File}** option, and clicking **{Working Copy}** from the RFA main menu (see Figure 5.3.6-1). When this function is called, an alert pop-up window appears, as shown in Figure 5.3.6.1-1, to warn the user that the Working Copy may take a considerable amount of time. The length of time required is a function of the hardware configuration and GCCS workload.

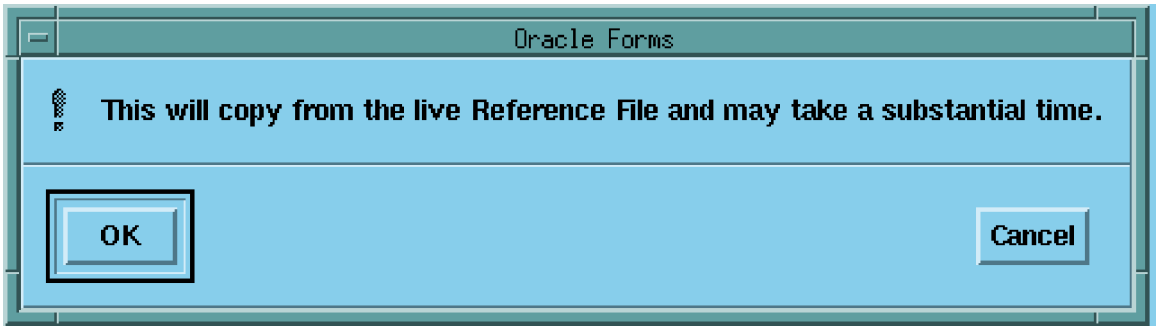

Figure 5.3.6.1-1. Alert Pop-Up Window - Considerable Time Warning

Push Buttons. This window provides the following buttons:

{OK} Continues the Working Copy function.

{Cancel} Cancels the Working Copy, and returns the user to the RFA main menu.

If there have been updates to the APORTS file since the last Working Copy that have not been processed by the Network function, an alert pop-up window, as shown in Figure 5.3.6.1-2, is displayed indicating that continuation of this process will cause changes to be lost.

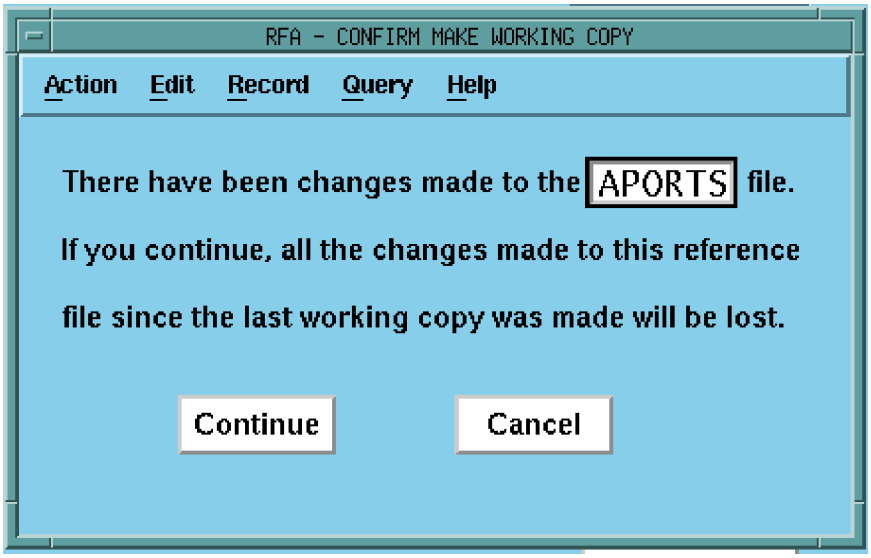

Figure 5.3.6.1-2. Alert Pop-Up Window - Changes Will Be Lost

Push Buttons. This window provides the following buttons:

{Continue} Continues the Working Copy Function.

{Cancel} Cancels the Working Copy, and returns the user to the RFA main menu.

At this point, a wait pop-up window appears, as shown in Figure 5.3.6.1-3, advising the user to wait until the Working Copy process is complete. At the completion of the Working Copy, the user returns to the RFA main menu.

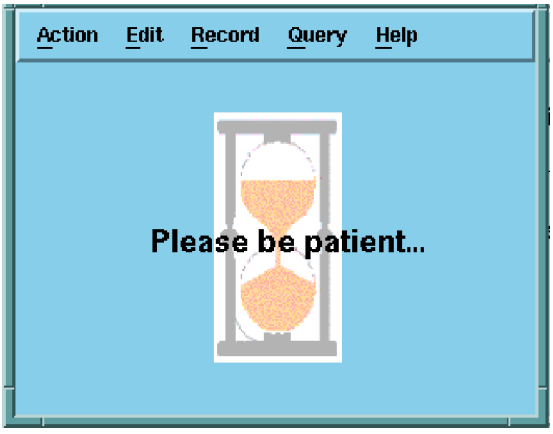

Figure 5.3.6.1-3. Wait Pop-Up Window - Please Wait

5.3.6.2 APORTS Batch Process Overview

APORTS batch provides the RFA user with an online interface for submitting APORTS batch transactions for update of the RFA APORTS tables. APORTS batch software provides the capability to process APORTS input transactions in a batch mode. APORTS data, which must conform to JRS standards, are required in the development and evaluation of joint OPLANs and consist of information concerning major airfields from around the world. The APORTS input transactions are submitted by the individual Services and DIA for airfields meeting certain size and capacity constraints. The APORTS batch software loads JRS transactions (if any are submitted) into the RFA ORACLE database, performs both JRS format edits and JRS data edits, loads JRS data into local RFA APORTS tables, extracts primary airfield information from the Airfields database, and merges JRS data with the Airfields data and stores it in the RFA APORTS ORACLE database.

The following paragraphs describe specific software capabilities for each APORTS batch window:

- RFA - Select File (see Paragraph 5.3.6.2.1),
- RFA - APORTS Batch Options (see Paragraph 5.3.6.2.2),
- RFA - APORTS Transaction Options (see Paragraph 5.3.6.2.3),
- RFA - APORTS Input Transaction Load Error (see Paragraph 5.3.6.2.3.1),
- RFA - JRS Load Results (see Paragraph 5.3.6.2.4),
- RFA - JRS Transaction Listing Options (see Paragraph 5.3.6.2.5),
- RFA - JRS Edit Results (see Paragraph 5.3.6.2.6),
- RFA - APORTS Data Edits (see Paragraph 5.3.6.2.7),
- RFA - APORTS Data Edit Results (see Paragraph 5.3.6.2.8),
- RFA - Printer Selection (see Paragraph 5.3.6.2.8.1),
- RFA - APORTS Batch Results (see Paragraph 5.3.6.2.9), and
- RFA - Printer Selection (see Paragraph 5.3.6.2.9.1).

5.3.6.2.1 RFA - Select File

The user initiates APORTS batch processing from the RFA - Select File window shown in Figure 5.3.6.2.1-1. Highlighting the **{Airports File}** option and clicking **{Batch Update}** on the right side of the window causes the RFA - APORTS Batch Options window to appear (See Paragraph 5.3.6.2.2).

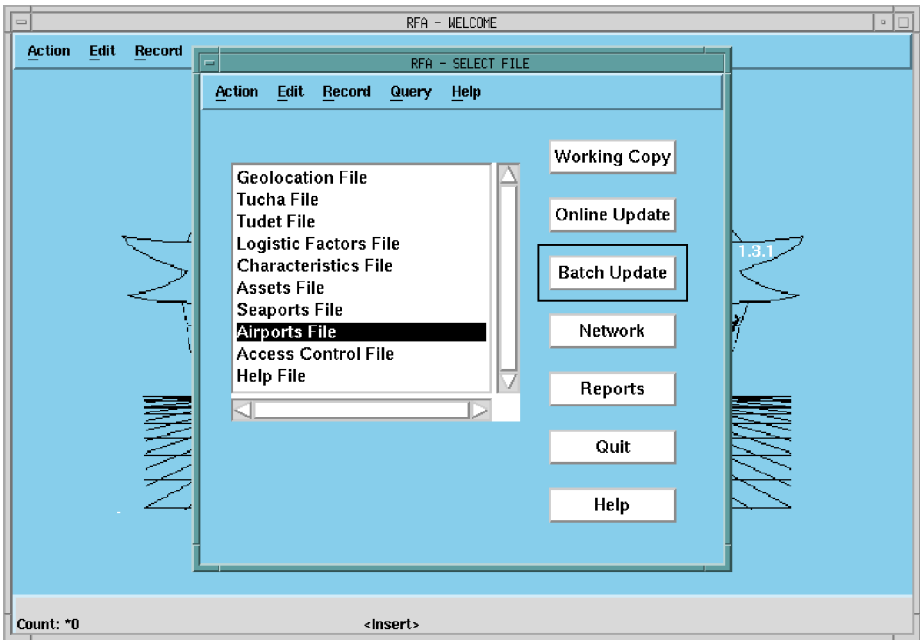

Figure 5.3.6.2.1-1. RFA - Select File Window

5.3.6.2.2 RFA - APORTS Batch Options

In this window, which is shown in Figure 5.3.6.2.2 -1, the user must choose whether to process data from JRS transactions, as well as the Airfields database, or to process Airfields data [Automated Air Facilities Information File (AAFIF) data] only. This decision determines a specific path of processing for APORTS Batch Update.

Radio Buttons. This window provides the following radio buttons:

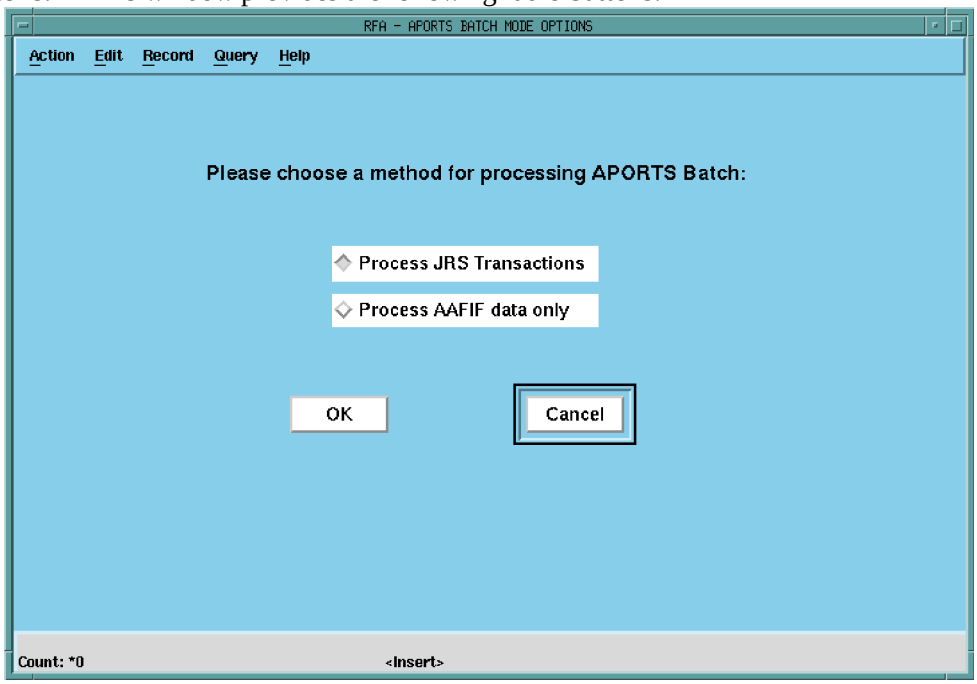

Figure 5.3.6.2.2-1. RFA - APORTS Batch Options

{Process JRS Transactions} Processes JRS APORTS transactions that have been submitted by one of the specified Services, or by DIA.

{Process AAFIF data only} Processes only Airfields database extracted records.

Note: No matter which method is selected, Airfields database data are always processed. If clicking **{Process JRS Transactions}**, the JRS transactions are processed before Airfields data are extracted during batch processing.

Push Buttons. This window provides the following push buttons:

{OK} Provides two options: 1) If the user has chosen to process JRS transactions; i.e., clicking the **{Process JRS Transactions}** radio button, then the RFA - APORTS Transaction Options window appears (See Paragraph 5.3.6.2.3); and 2) if the user clicks **{Process AAFIF data only}**, then the following process takes place:

1. The Airfields database data are extracted according to selection criteria specified in the JRS.

2. The RFA APORTS tables are cleared out to allow a completely new version of APORTS to be built.

3. The Airfields extracted data are edited, and successfully passing records are inserted into the appropriate RFA APORTS tables.

4. The RFA APORTS local data (the discharge and clearance data that already exists from previously submitted JRS APORTS transaction files) are merged with the Airfields data into the RFA APORTS tables to complete the rebuilding of APORTS.

5. Finally, the RFA - APORTS Batch Results window appears (see Paragraph 5.3.6.2.9) with options for viewing the results of the APORTS batch processing.

{Cancel} Exits APORTS Batch, and returns the user to the RFA - Select File window (See Paragraph 5.3.6.2.1).

5.3.6.2.3 RFA - APORTS Transaction Options

The user must enter the APORTS input transaction file name in the transaction file input box of the RFA - APORTS Transaction Options window shown in Figure 5.3.6.2.3-1. This flat, ASCII-encoded file, submitted by the individual Services and DIA, consists of clearance and discharge data for airports meeting the specified size and capacity requirements as outlined in the JRS. The file must be stored in the *rfa_net* directory under the user's home directory.

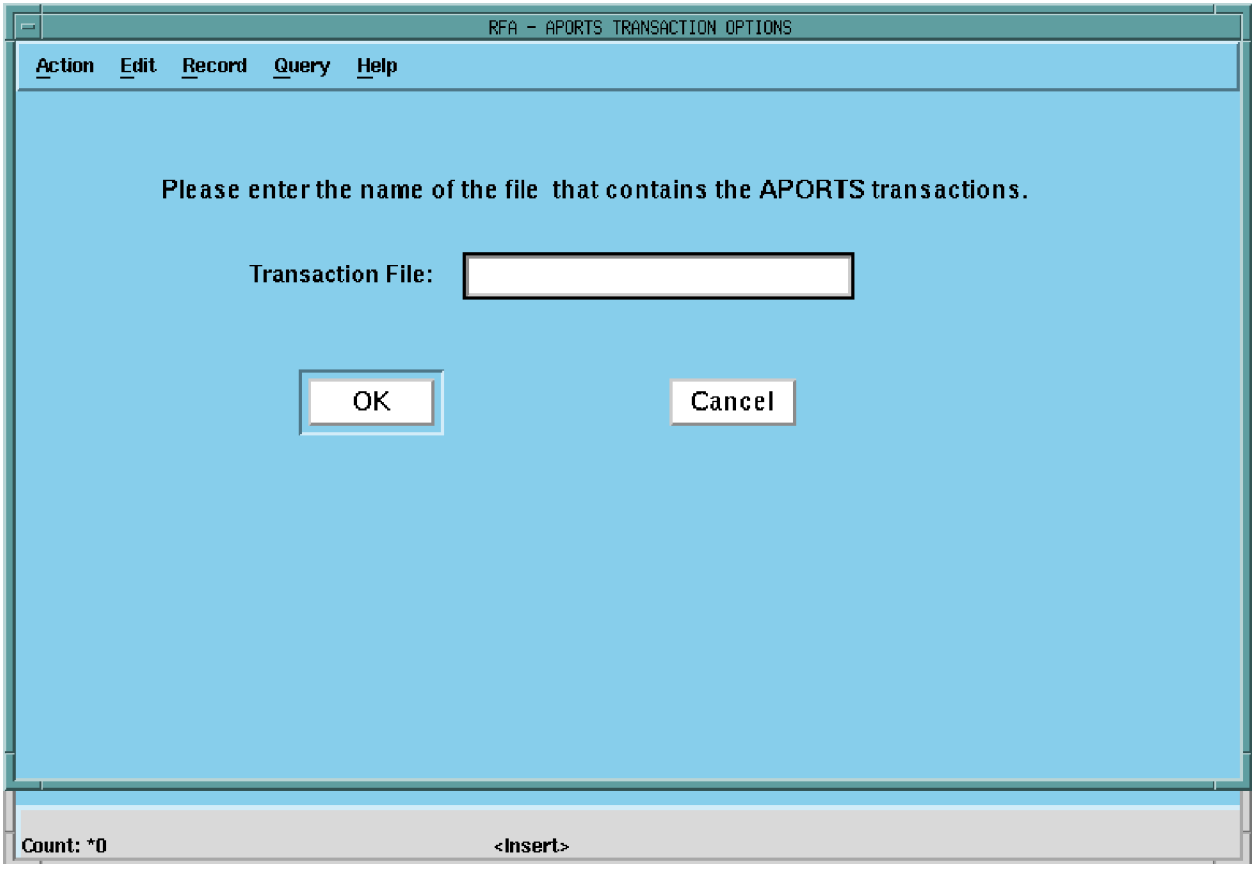

Figure 5.3.6.2.3-1. RFA - APORTS Transaction Options

Push Buttons. This window provides access to the following buttons:

{OK} Loads the APORTS input transactions into the RFA ORACLE database. The input record format must conform to the standards set by the JRS. If the load is successful, the RFA - JRS Load Results window appears (see Paragraph 5.3.6.2.4). Otherwise, the RFA - APORTS Input Transaction Load Error window appears (See Paragraph 5.3.6.2.3.1).

{Cancel} Exits the APORTS batch process, and returns the user to the RFA - APORTS Batch Options window (See Paragraph 5.3.6.2.2).

5.3.6.2.3.1 RFA - APORTS Input Transaction Load Error

The RFA - APORTS Input Transaction Load Error window, shown in Figure 5.3.6.2.3.1-1, indicates an error occurred while loading the APORTS input transaction file onto the RFA ORACLE database. The user should verify the file is in the appropriate directory and the file contains at least a single record.

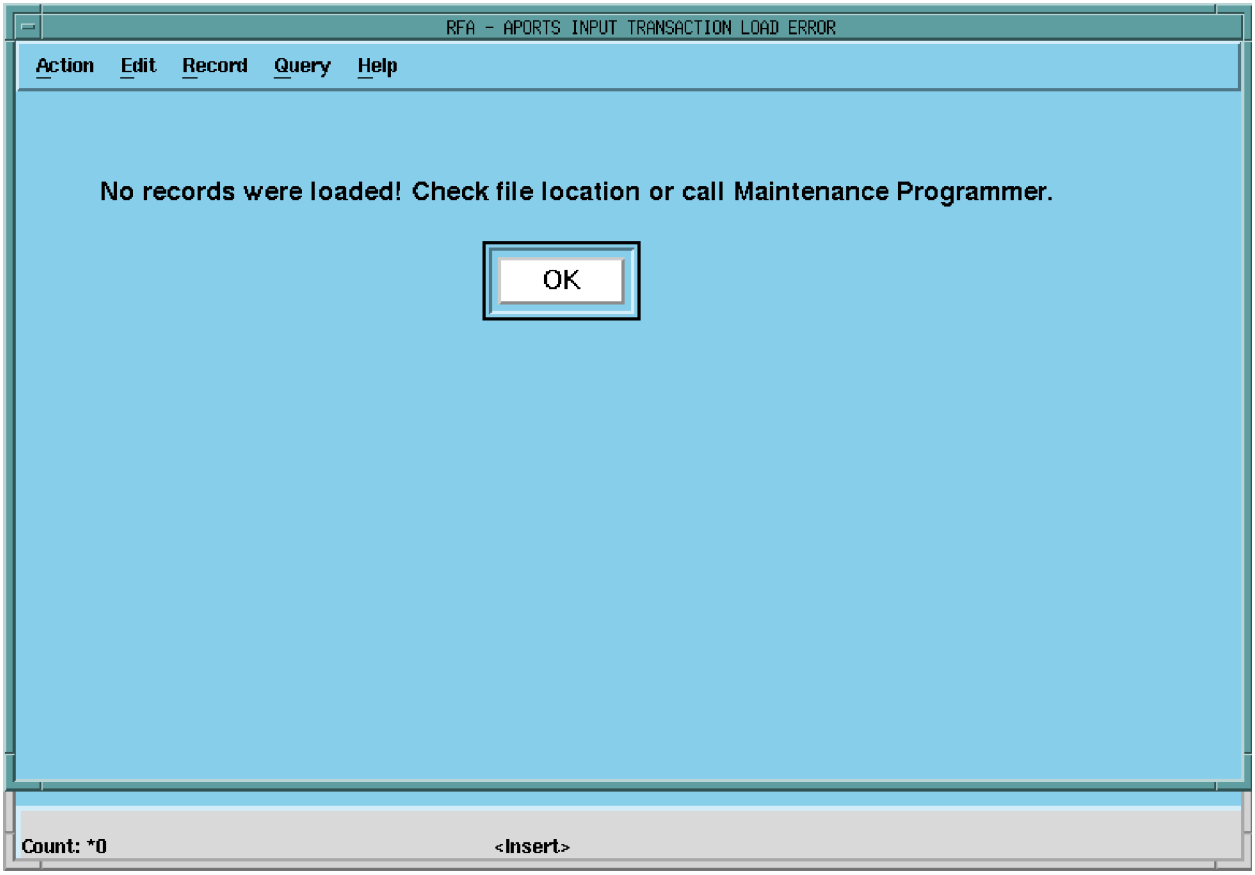

Figure 5.3.6.2.3.1-1. RFA - APORTS Input Transaction Load Error

Push Buttons. This window provides access to the following button:

{OK} Returns the user to the RFA - APORTS Transaction Options window (See Paragraph 5.3.6.2.3).

5.3.6.2.4 RFA - JRS Load Results

As shown in the RFA - JRS Load Results window, shown in Figure 5.3.6.2.4-1, displays the number of input transactions, which are loaded into the RFA ORACLE database. These records are subsequently ready for additional JRS validation. A message display prompts the user if further batch processing is desired.

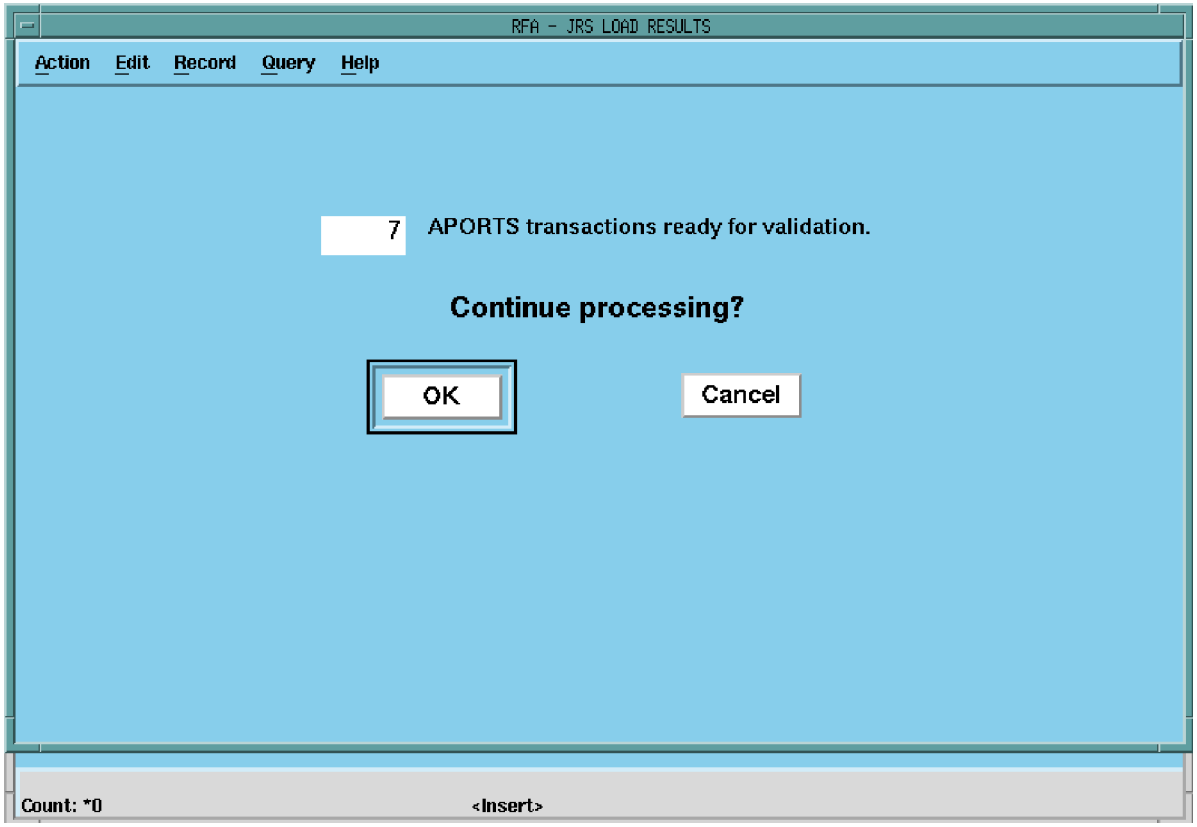

Figure 5.3.6.2.4-1. RFA - JRS Load Results

Push Buttons. This window provides access to the following buttons:

{OK} Continues APORTS batch processing. The RFA - JRS Transaction Listing Options window appears (See Paragraph 5.3.6.2.5).

{Cancel} Terminates batch processing without updating the APORTS tables in the RFA ORACLE database, and returns the user to the RFA - APORTS Batch Options window (See Paragraph 5.3.6.2.2).

5.3.6.2.5 RFA - JRS Transaction Listing Options

The RFA - JRS Transaction Listing Options window, shown in Figure 5.3.6.2.5-1, gives the user the opportunity to either view or print the APORTS Input Transaction Listing report or continue batch processing without a report.

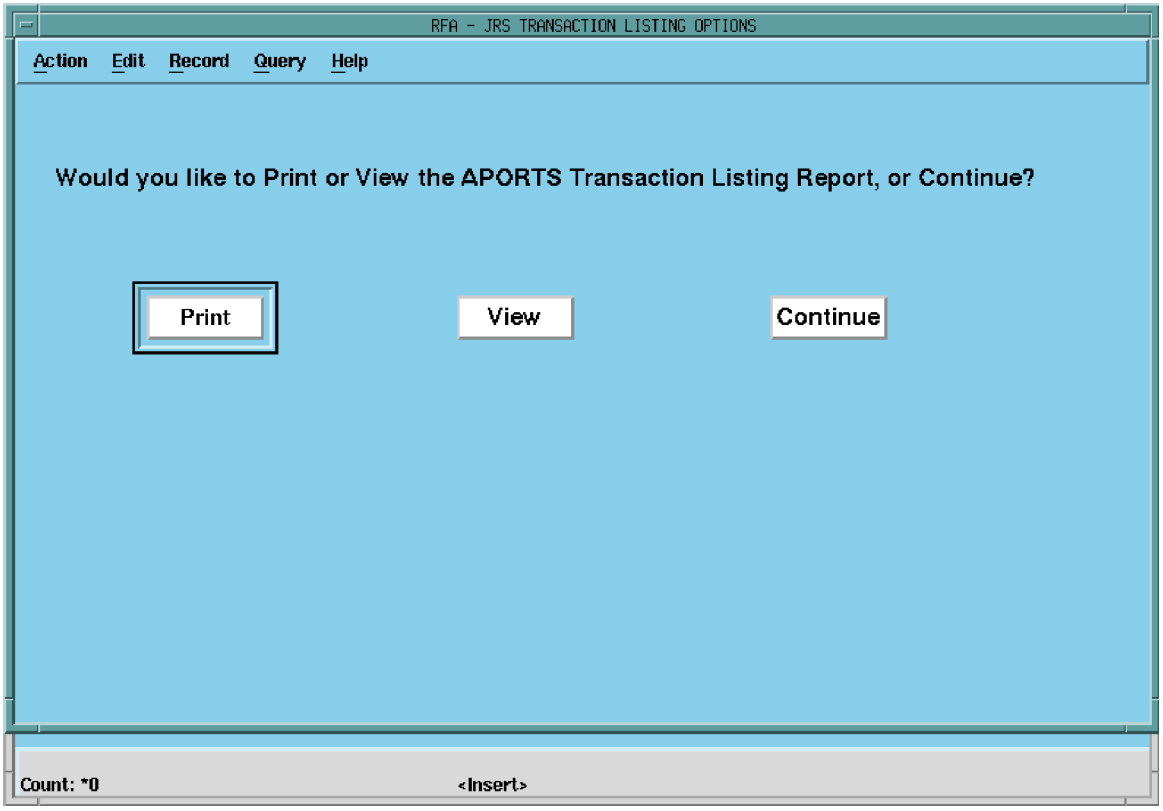

Figure 5.3.6.2.5-1. RFA - JRS Transaction Listing Options Window

Push Buttons. This window provides access to the following buttons:

{Print} Gives the user the opportunity to print the APORTS Input Transaction Report in the background, and continue with batch processing immediately. Clicking **{Print}**, causes the RFA - Printer Selection window to appear (see below).

{View} Displays a wait window temporarily until the APORTS Input Transaction Report is displayed. Once the report appears, the user may traverse the various pages of the report, but must ultimately close the report to continue batch processing. The RFA - JRS Edit Results window appears on closing the report.

{Continue} Continues the APORTS batch process without viewing the APORTS Input Transaction Listing report as the RFA - JRS Edit Results window appears.

RFA - Printer Selection. The user can select a printer to direct the APORTS Input Transaction Listing

Report to print; however, the user must know the name of a valid printer, which is configured to the system. The printer name must be entered in the printer selection box in the RFA - Printer Selection window shown in Figure 5.3.6.2.5-2.

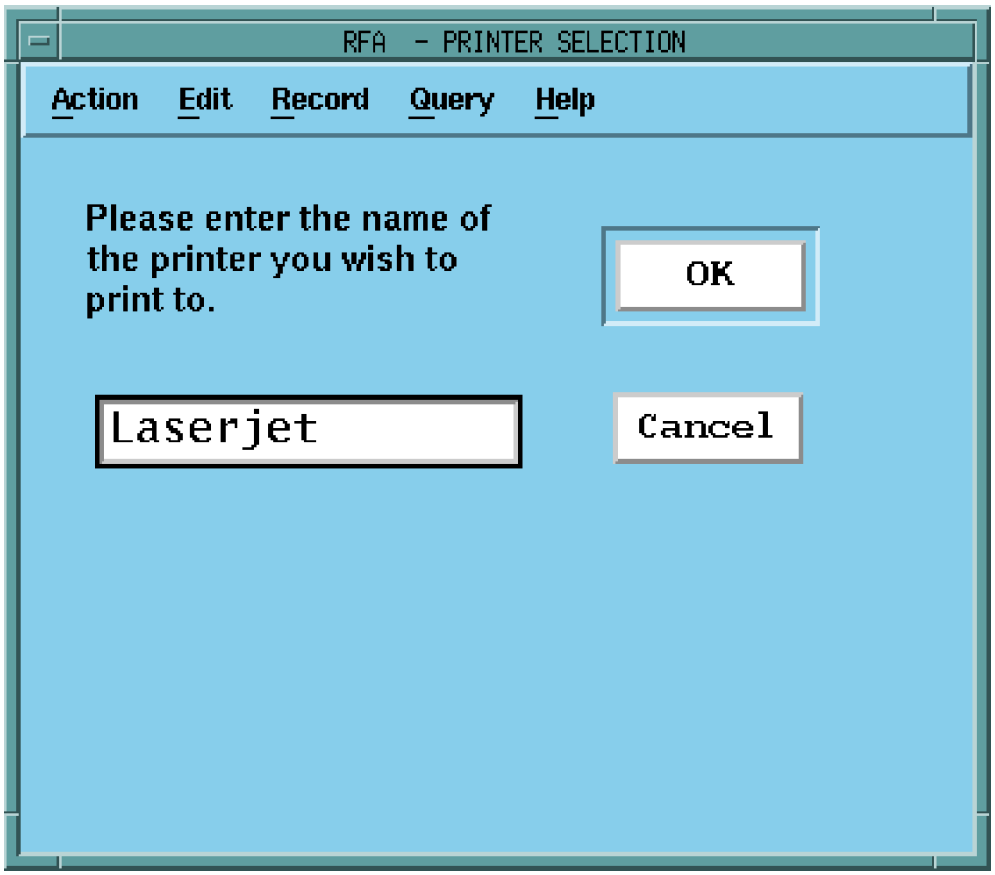

Figure 5.3.6.2.5-2. RFA - Printer Selection Window

Push Buttons. This window provides access to the following buttons:

{OK} Displays a wait window only until the APORTS Input Transaction Listing Report is directed to the printer. The RFA - JRS Edit Results window (see Paragraph 5.3.6.2.6) appears when the printer receives the report.

{Cancel} Returns the user to the RFA - APORTS Batch Options window (See Paragraph 5.3.6.2.2).

5.3.6.2.6 RFA - JRS Edit Results

The load statistics and the JRS format edit results are displayed in the RFA - JRS Edit Results window shown in Figure 5.3.6.2.6-1. The load statistics indicate the total number of transactions loaded, including the header and trailer records. The edit results indicate the number of warnings and errors detected. Additionally, the total number of transactions, which are forwarded for further processing and the total number of rejected transactions are displayed.

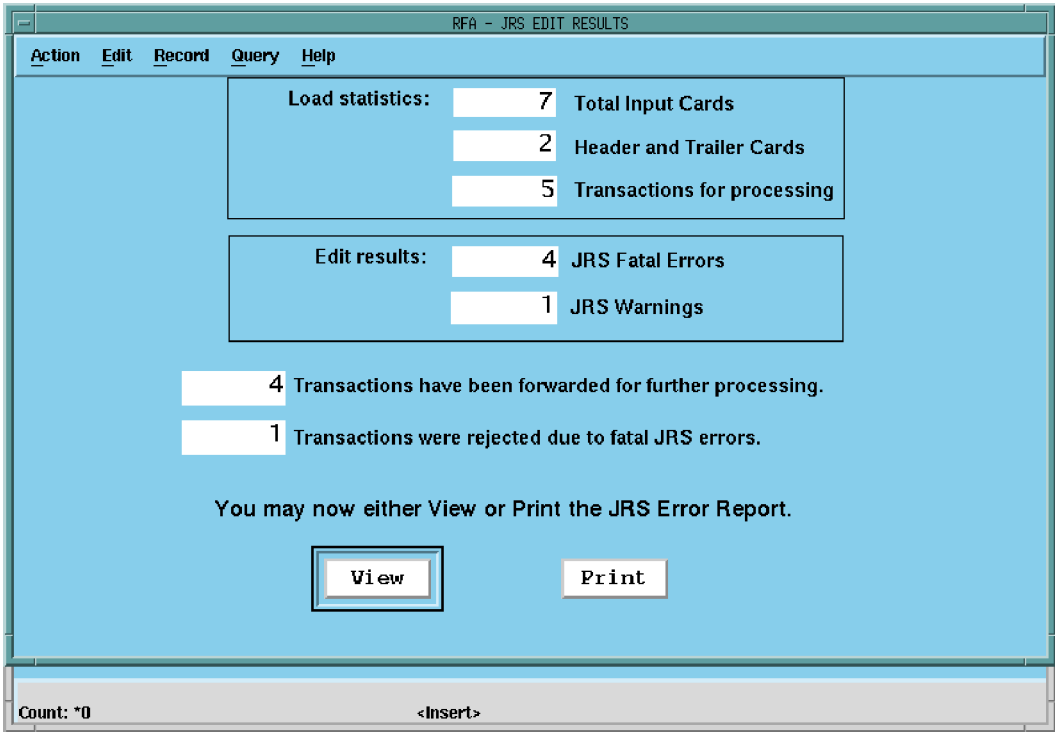

Figure 5.3.6.2.6-1. RFA - JRS Edit Results Window

Push Buttons. This window provides access to the following buttons:

{View} Displays a wait window temporarily until the JRS Edit Report is displayed. Once the report appears, the user may traverse the various pages of the report, but must ultimately close the report to continue batch processing. The RFA - APORTS Data Edits window appears on closing the report (See Paragraph 5.3.6.2.7).

{Print} Gives the user the opportunity to print the JRS Edit Report in the background, and continue with batch processing immediately. Clicking **{Print}**, causes the RFA - Printer Selection window to appear (see below).

RFA - Printer Selection. The user can select a printer to direct the JRS Edit Report to print; however, the user must know the name of a valid printer, which is configured to the system. The printer name must be entered in the printer selection box in the RFA - Printer Selection window shown in Figure 5.3.6.2.6-2.

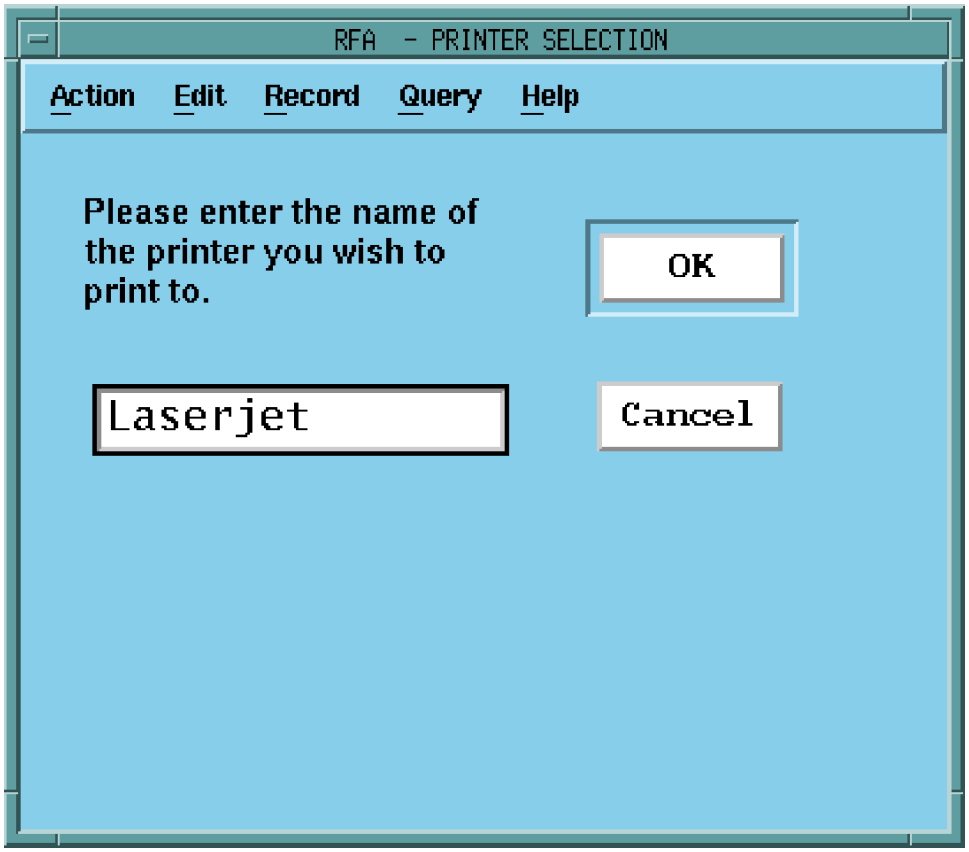

Figure 5.3.6.2.6-2. RFA - Printer Selection Window

Push Buttons. This window provides access to the following buttons:

{OK} Displays a wait window temporarily until the JRS Edit Report is directed to the printer. The RFA - APORTS Data Edits window (see Paragraph 5.3.6.2.7) appears when the printer receives the report.

{Cancel} Returns the user to the RFA - JRS Edit Results window.

5.3.6.2.7 RFA - APORTS Data Edits

The RFA - APORTS Data Edits window, shown in Figure 5.3.6.2.7-1, provides the user the option to continue with batch processing by performing the JRS data edits or to terminate batch processing and return to the RFA - APORTS Transaction Options window (See Paragraph 5.3.6.2.3).

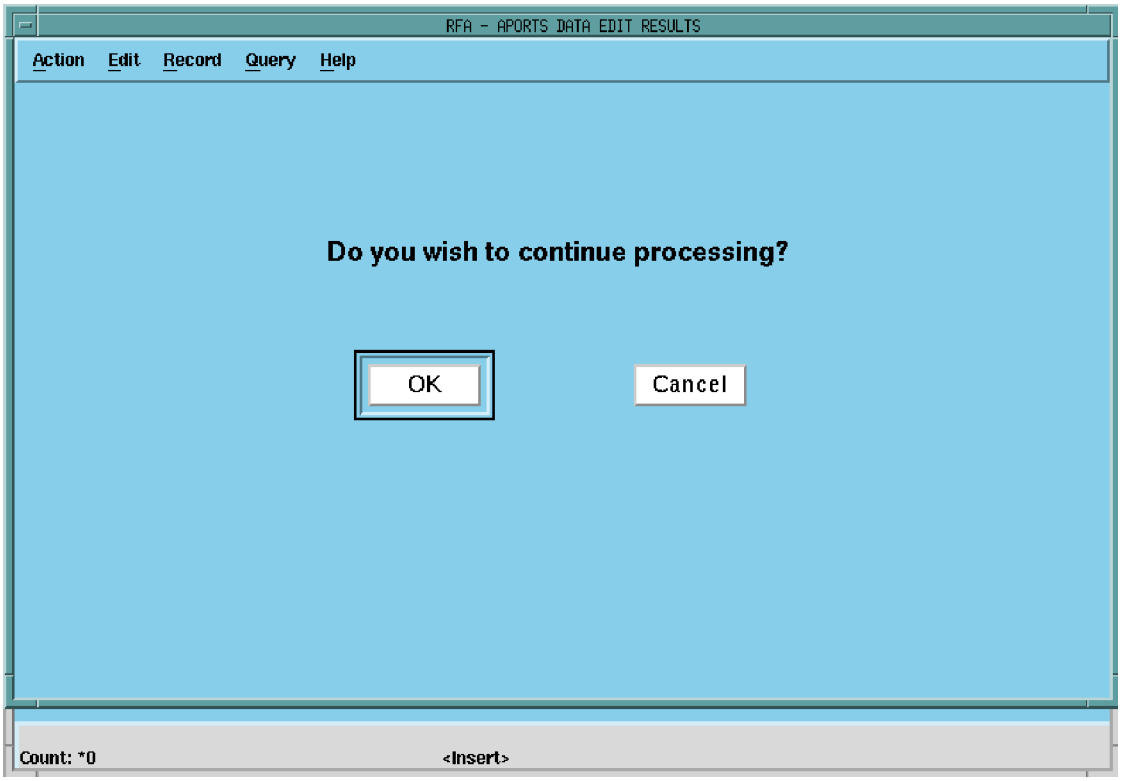

Figure 5.3.6.2.7-1. RFA - APORTS Data Edits Window

Push Buttons. This window provides access to the following buttons:

{OK} Performs the JRS data edits on the APORTS input transactions, and updates the APORTS tables in the RFA ORACLE database accordingly. The RFA - APORTS Data Edit Results window appears on completion of the edit processing (See Paragraph 5.3.6.2.8).

{Cancel} Terminates batch processing without updating the APORTS tables in the RFA ORACLE database, and returns the user to the RFA - APORTS Batch Options window (See Paragraph 5.3.6.2.2).

5.3.6.2.8 RFA - APORTS Data Edit Results

The RFA - APORTS Data Edit Results window, shown in Figure 5.3.6.2.8-1, indicates the number of transactions that successfully update the APORTS tables in the RFA ORACLE database, and the number of transactions that are rejected due to JRS data edit errors. The user is given the opportunity to view or print the APORTS Input Transaction Error Report, which details the JRS data edit warnings and errors detected.

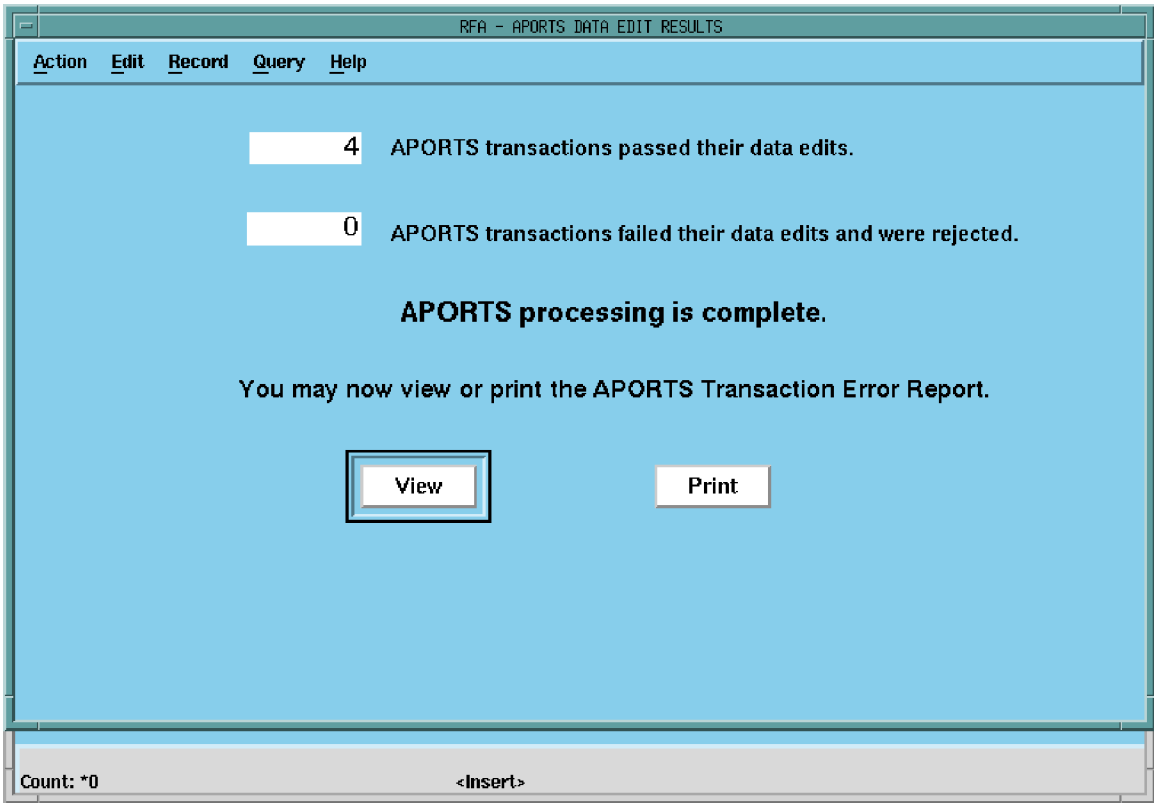

Figure 5.3.6.2.8-1. RFA - APORTS Data Edit Results Window

Push Buttons. This window provides access to the following buttons:

{View} Displays a wait window temporarily until the APORTS Input Transaction Error Report is displayed. Once the report appears, the user may traverse the various pages of the report, but must ultimately close the report to complete batch processing. The RFA - APORTS Transaction Options window appears on closing the report (See Paragraph 5.3.6.2.3).

{Print} Gives the user the opportunity to print the APORTS Input Transaction Report in the background, and continue with batch processing immediately. Clicking **{Print}**, causes the RFA - Printer Selection window to appear (See Paragraph 5.3.6.2.8.1).

5.3.6.2.8.1 RFA - Printer Selection

The user can select a printer to direct the APORTS Input Transaction Error Report to print; however, the user must know the name of a valid printer, which is configured to the system. The printer name must be entered in the printer selection box in the RFA - Printer Selection window shown in Figure 5.3.6.2.8.1-1.

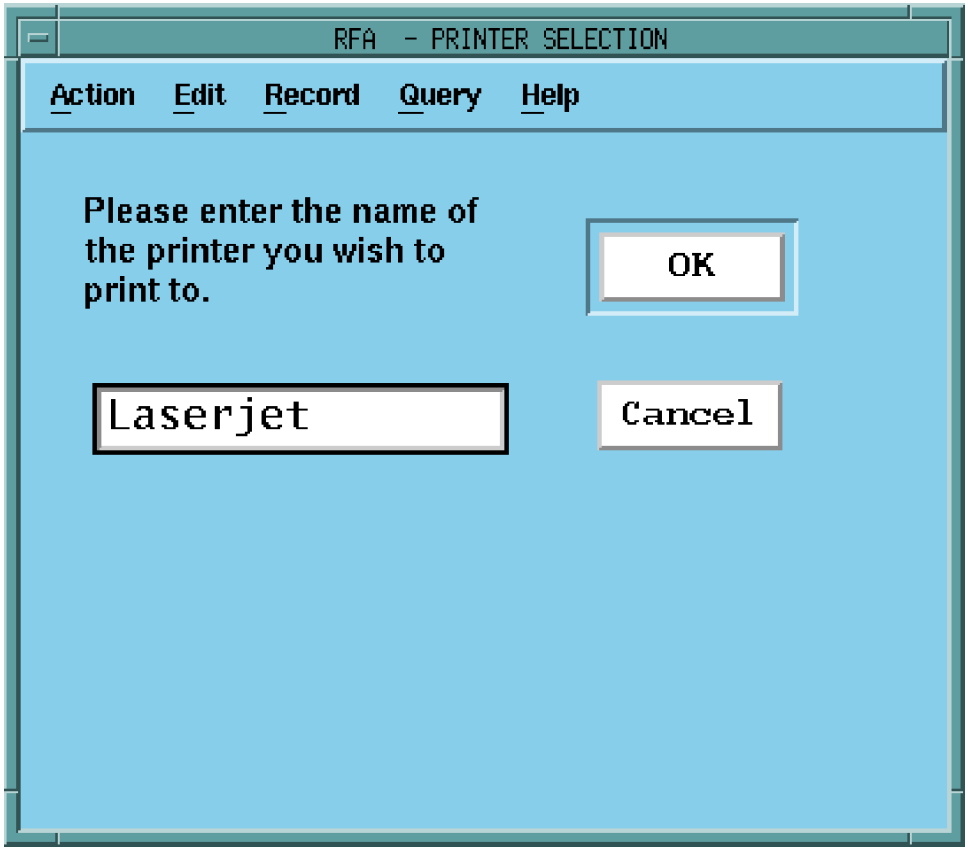

Figure 5.3.6.2.8.1-1. RFA - Printer Selection Window

Push Buttons. This window provides access to the following buttons:

{OK} Displays a wait window temporarily until the APORTS Input Transaction Error Report is directed to the printer. The RFA - APORTS Transaction Options window appears when the printer receives the report (See Paragraph 5.3.6.2.3).

{Cancel} Returns the user to the RFA - APORTS Data Edit Results window (See Paragraph 5.3.6.2.8).

5.3.6.2.9 APORTS Batch Results

The APORTS Batch Results window, shown in Figure 5.3.6.2.9-1, displays results and various reporting

options for viewing the results of batch processing. The number of successfully merged clearance and discharge records are displayed at the top of the window. These numbers reflect the number of APORTS clearance and discharge records with matching records extracted from the Airfields database.

Please Note: Even if JRS transactions are submitted and successfully pass edits, this does not necessarily mean that the local RFA clearance and discharge records created successfully merged as part of the final APORTS being rebuilt. The number of records successfully merged depends on the existence of matching Airfields database records for each clearance and discharge record.

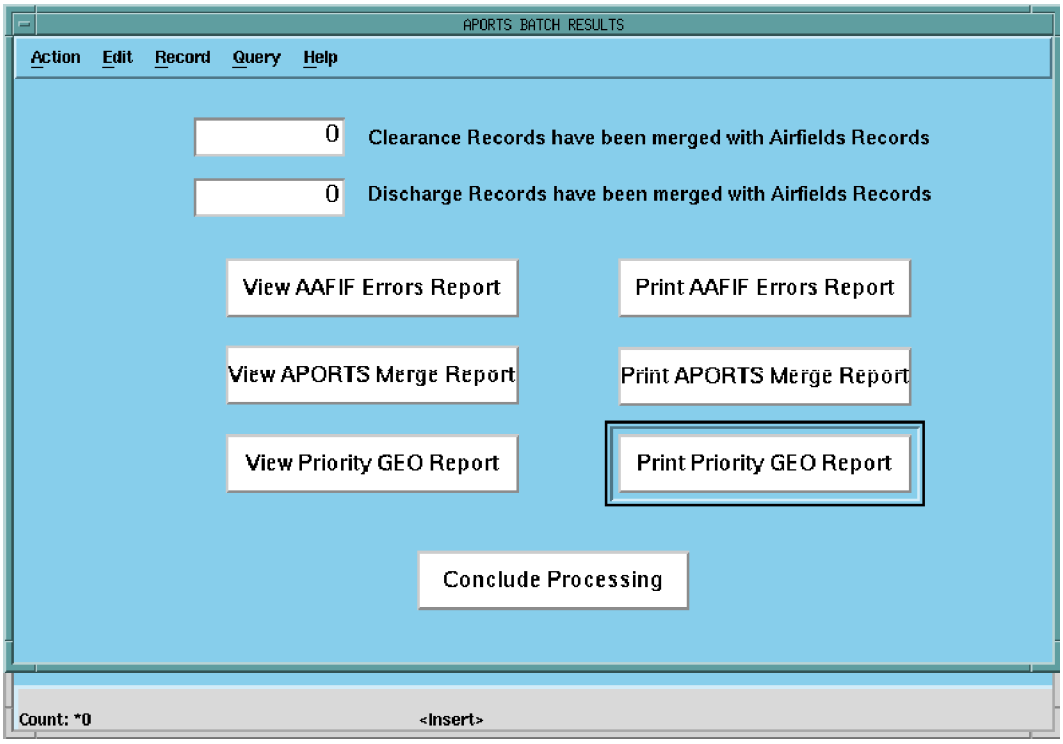

Figure 5.3.6.2.9-1. RFA - APORTS Batch Results Window

Push Buttons. This window provides the following buttons:

{View AAFIF Errors Report} Brings up a report displaying errors that were encountered during the extraction of data from the Airfields database. Once the user is done viewing the report, close the report, and control returns to the RFA - APORTS Batch Results window. An example of the AAFIF Errors Report can be found in Appendix B.

{Print AAFIF Errors Report} Brings up the RFA - Printer Selection window (See Paragraph 5.3.6.2.9.1).

{View APORTS Merge Report} Brings up a report displaying merge errors from the merge of discharge and clearance records with the Airfields data. Once the user is done

viewing the report, close the report, and control returns to the RFA - APORTS Batch Results window. An example of the APORTS Merge Report can be found in Appendix B.

{Print APORTS Merge Report} Brings up the RFA - Printer Selection window (See Paragraph 5.3.6.2.9.1).

{View Priority GEO Report} Brings up the Priority GEO Report, which lists those airports considered a Priority Geographic Location. Once the user is done viewing the report, close the report, and control returns to the RFA - APORTS Batch Results window. (See Appendix B for an example of the Priority GEO Report.)

{Print Priority GEO Report} Brings up the RFA - Printer Selection window (See Paragraph 5.3.6.2.9.1).

{Conclude Processing} Ends the APORTS Batch process, and returns the user to the RFA - APORTS Batch Options window (see Paragraph 5.3.6.2.2), where they can either run another batch or cancel out of the process altogether.

5.3.6.2.9.1 RFA - Printer Selection

The user can select a printer to direct the desired APORTS batch report to print; however, the user must know the name of a valid printer, which is configured to the system. The printer name must be entered in the printer selection box in the RFA - Printer Selection window shown in Figure 5.3.6.2.9.1-1.

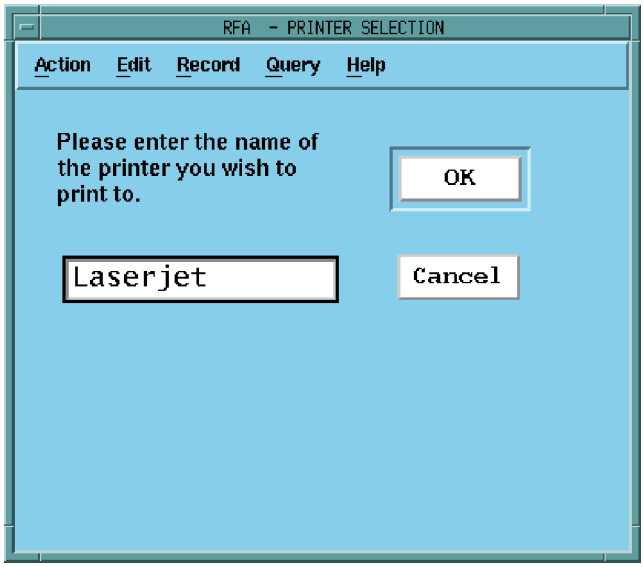

Figure 5.3.6.2.9.1-1. RFA - Printer Selection Window

Push Buttons. This window provides access to the following buttons:

{OK}	Displays a wait window temporarily until the desired APORTS report is directed to the printer, and returns control to the RFA - APORTS Batch Results window after the report has been sent to the printer (See Paragraph 5.3.6.2.9).
{Cancel}	Returns the user to the RFA - APORTS Batch Results window (See Paragraph 5.3.6.2.9).

5.3.6.3 APORTS Network Function

The APORTS Network function is executed following batch update. The Network function processes all updates (adds, changes, and deletes) to the given reference file. (The function generates and executes a SQL script to update the specified reference file on the JOPES Core database servers.) For this reference file only the SQL script is generated; transactions in JRS format are not generated.

The Network function consists of four phases:

1. Prereduction,
2. Transaction Reduction,
3. Before/After Reports, and
4. Transaction File Generation.

Each phase executes in sequence for the entire set of updates. At certain points the user may cancel the function and return to the RFA Main Menu, if desired. See individual descriptions that follow for more detail.

5.3.6.3.1 Prereduction

The prereduction phase consists of displaying a confirmation window, which indicates the name and location of the transaction file to be generated. Figure 5.3.6.3.1-1 shows the RFA - APORTS Transaction File window.

Push Buttons. This window provides the following button:

{OK}	Allows the user to continue processing. If clicking **{OK}**, processing proceeds to transaction reduction.

From this window the user may pull down the Action menu, and click **{Exit}** to exit the function.

5.3.6.3.2 Transaction Reduction

After confirmation, transaction reduction begins. The transaction reduction phase takes the add, change, and delete transactions and reduces them to one update per database record. Figure 5.3.6.3.2-1 shows the RFA - APORTS Reducing Update Transactions window that appears.

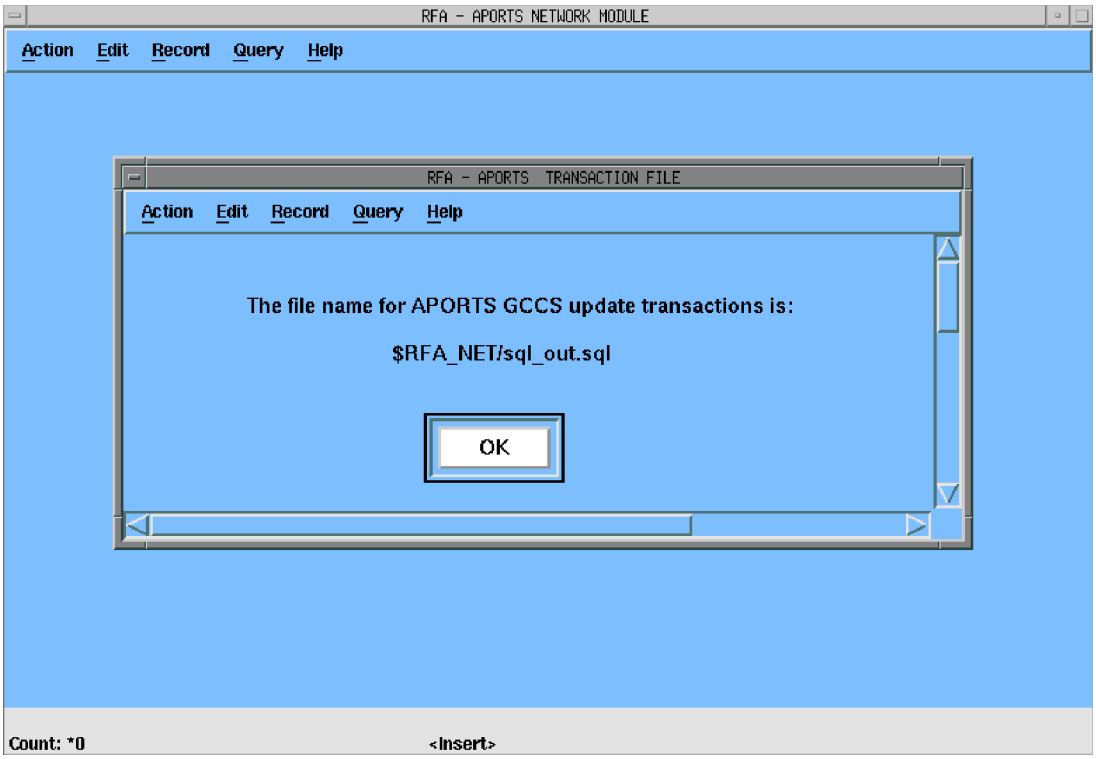

Figure 5.3.6.3.1-1. RFA - APORTS Transaction File Window

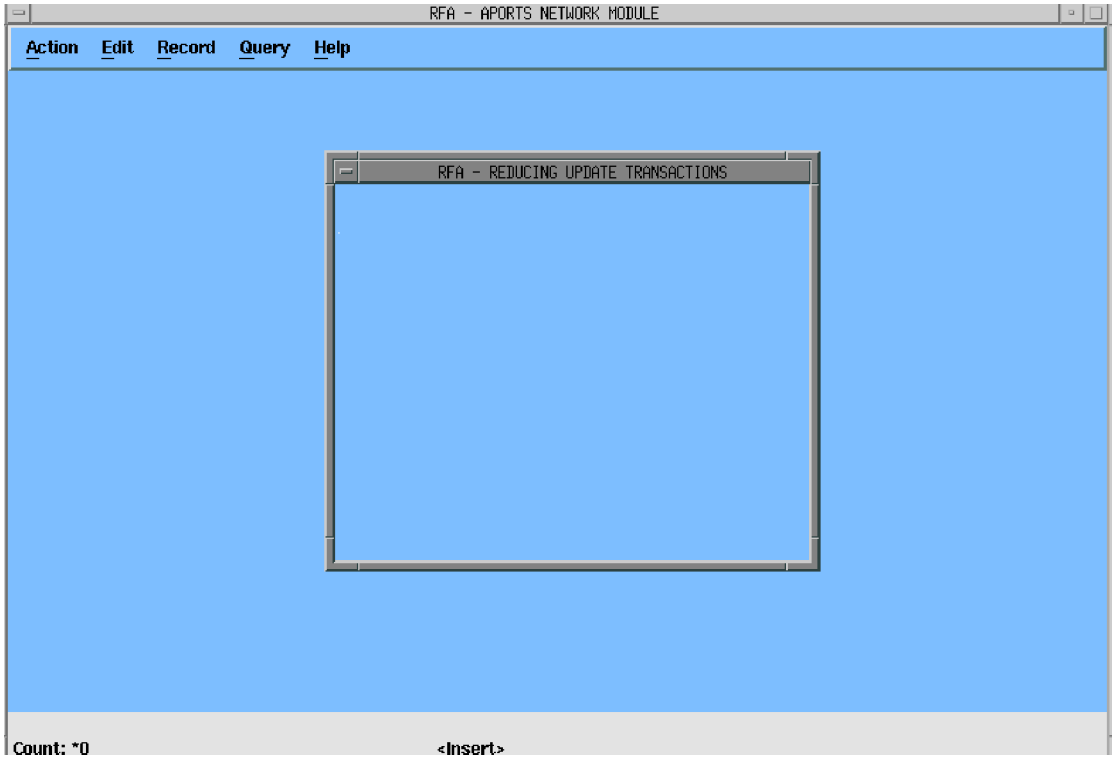

Figure 5.3.6.3.2-1. RFA - APORTS Reducing Update Transactions Window

All updates for a particular database record are gathered together and the first and last update examined. The reduction is then performed according to the following algorithm:

First Update	Last Update	Reduced Transaction
Add	Add	Add
Add	Change	Add
Add	Delete	No action
Change	Add	Change
Change	Change	Change
Change	Delete	Delete
Delete	Add	Change
Delete	Change	Change
Delete	Delete	Delete

For change transactions, the first and last update are compared field-by-field. If no field was changed other than the creation date of the record or the change date of the record, then no reduced transaction is required; no reduced transaction is generated for that change.

The procedure is repeated for each subsequent database record and each database table in the reference file, until all updates are processed. Processing proceeds immediately to Before/After Report generation.

5.3.6.3.3 Before/After Reports

After the transaction reduction is completed, the update cycle reports are generated. Figure 5.3.6.3.3-1 shows the RFA - Starting APORTS Before/After Report window that appears.

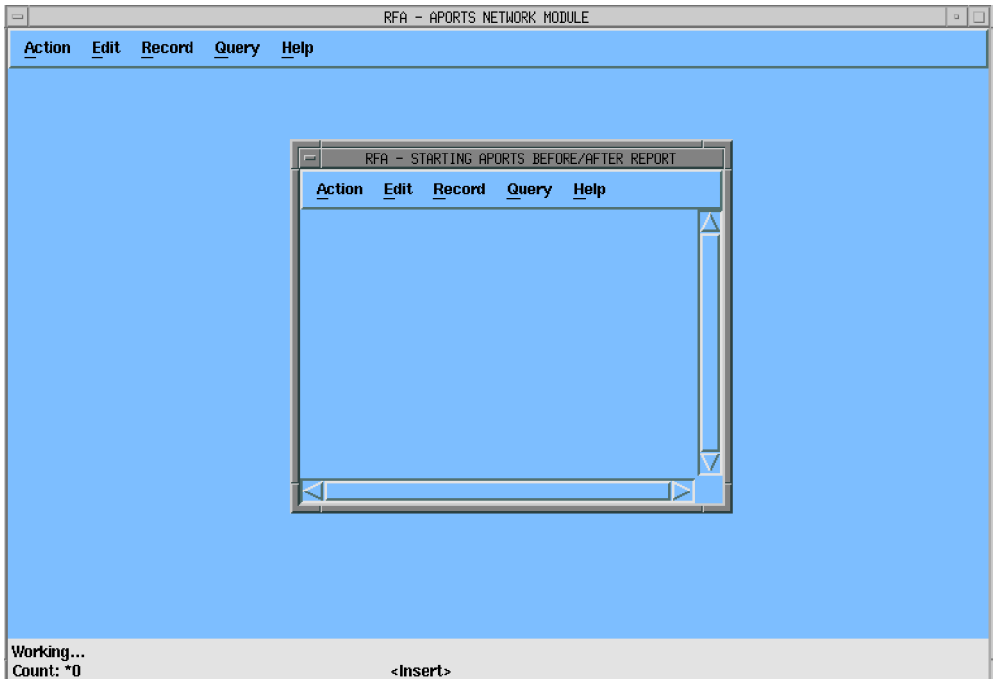

Figure 5.3.6.3.3-1. RFA - Starting APORTS Before/After Report Window

The Before/After Reports show the results of reduction of update transactions. For each database table in the reference file a report is generated showing the before and/or after image of each reduced update transaction. Summary information is listed first, followed by detailed transaction listings. An after image is shown for adds, before image for deletes, and both before and after images for changes. Fields modified in the change transaction are highlighted. Generated reports are sent to the printer.
Appendix B provides examples of sample reports.

The reports provided are described as follows:

1. **Airport Cycle Update Report**. Extracts all adds, changes, and deletes after reduction to the Airport Information database table. Details include geographic location code, parking area, throughput capacity, maximum number of passengers that can be handled, operational status, runway length, aviation code, maximum number of arrivals and departures, and cargo capacity and storage areas.

2. **Airport Aircraft Category Cycle Update Report**. Extracts all adds, changes, and deletes after reduction to the Airport Support Capacity for Aircraft Types Information database table. Details include geographic location code, aircraft type code, number of aircraft parked, and cargo capacity.

3. **Airport Clearance Cycle Update Report**. Extracts all adds, changes, and deletes after reduction to the Airport Clearance Information database table Details include geographic location code, clearance mode, cargo clearance rate, and passenger clearance rate.

4. **Airport Remark Cycle Update Report**. Extracts all adds, changes, and deletes after reduction to the Airport Remark database table. Details include geographic location code and remark(s).

5. **Apron Cycle Update Report**. Extracts all adds, changes, and deletes after reduction to the Apron Information database table. Details include geographic location code, apron identification code, surface type, dimensions, length, width, surface area, access width, number of apron, maximum aircraft load capacity, and total area.

After all reports are generated, processing proceeds immediately to transaction file generation.

5.3.6.3.4 Transaction File Generation

The final phase of the Network function is the generation and execution of the SQL script to update the database. The Network function executes a separate application enabling the user to determine the successful execution of the SQL script by viewing the contents of the APORTS Network Log File. The user may close the application or relocate the window, but should examine the contents of the log file prior to making a selection in the APORTS Networked Transaction Counts window. Figure 5.3.6.3.4-1 shows the RFA - APORTS Networked Transaction Counts and APORTS Network Log File windows that appear.

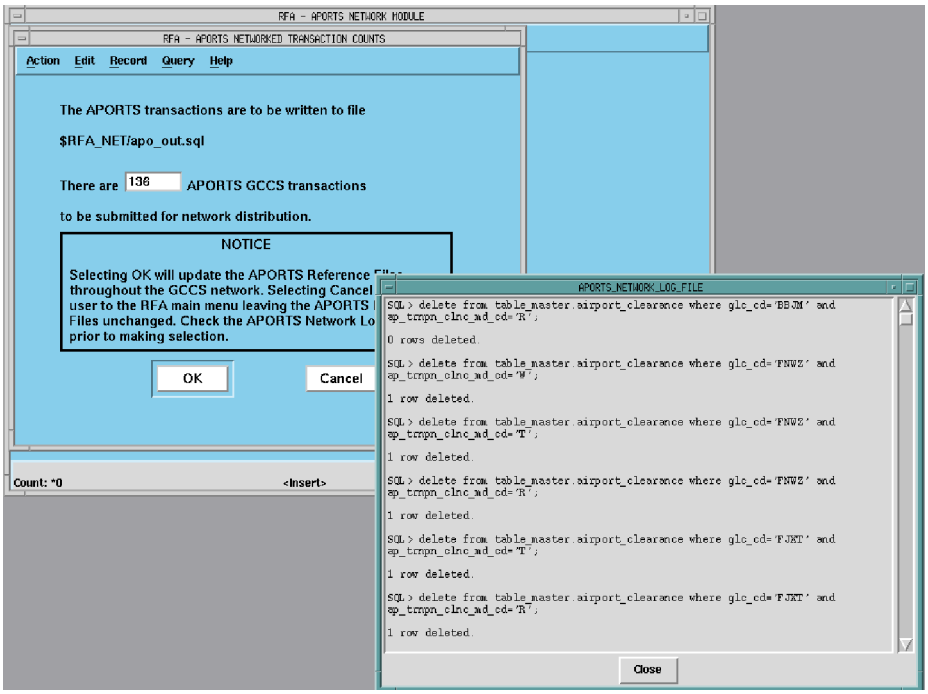

Figure 5.3.6.3.4-1. RFA - APORTS Networked Transaction Counts and APORTS Network Log File Windows

Push Buttons. The RFA - APORTS Networked Transaction Counts window provides the following buttons:

{OK} Updates the APORTS reference file on the JOPES Core database servers.

{Cancel} Cancels the function, and returns the user to the RFA main menu making no changes to the APORTS reference file on the JOPES Core database servers.

Push Buttons. The APORTS Network Log File window provides the following button:

{Close} Exits APORTS Network Log File window viewing function and does not effect the RFA software application.

The RFA - APORTS Networked Transaction Counts window displays the name and location of the

transaction file that is generated and the results of the transaction reduction. For results, the total number of reduced update transactions for the reference file is displayed.

Following confirmation, the SQL script is generated as an ASCII file and written to the directory indicated by environment variable $RFA_NET. Once file generation and execution is complete, the Network function terminates, and returns the user to the RFA main menu.

5.3.6.4 APORTS Reports

RFA provides an online and hardcopy reporting capability to generate several report types for the APORTS reference file. To execute the APORTS Reports, highlight the **{Airports File}** option from the left side of the RFA main menu, and click **{Reports}** on the right side, as shown in Figure 5.3.6.4-1. The RFA APORTS Reports Menu window appears, as shown in Figure 5.3.6.4-2.

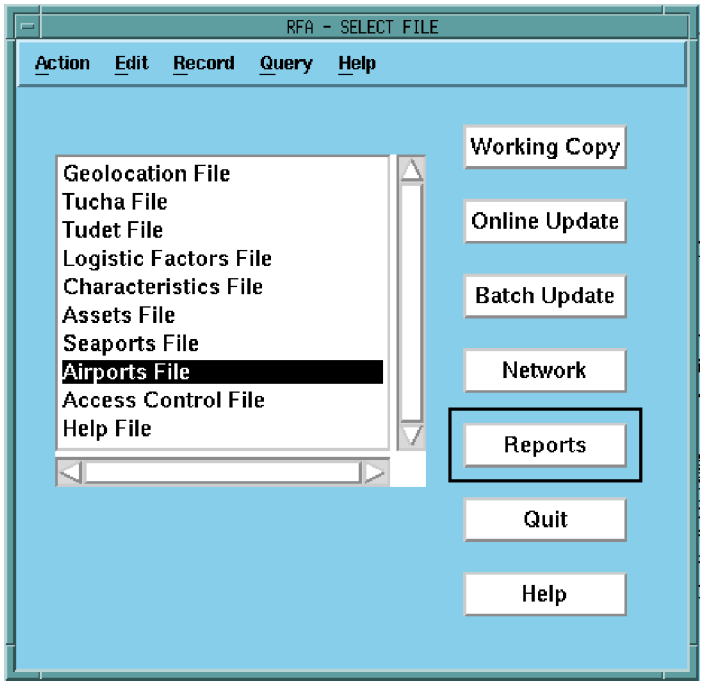

Figure 5.3.6.4-1. RFA - Select APORTS Reports Window

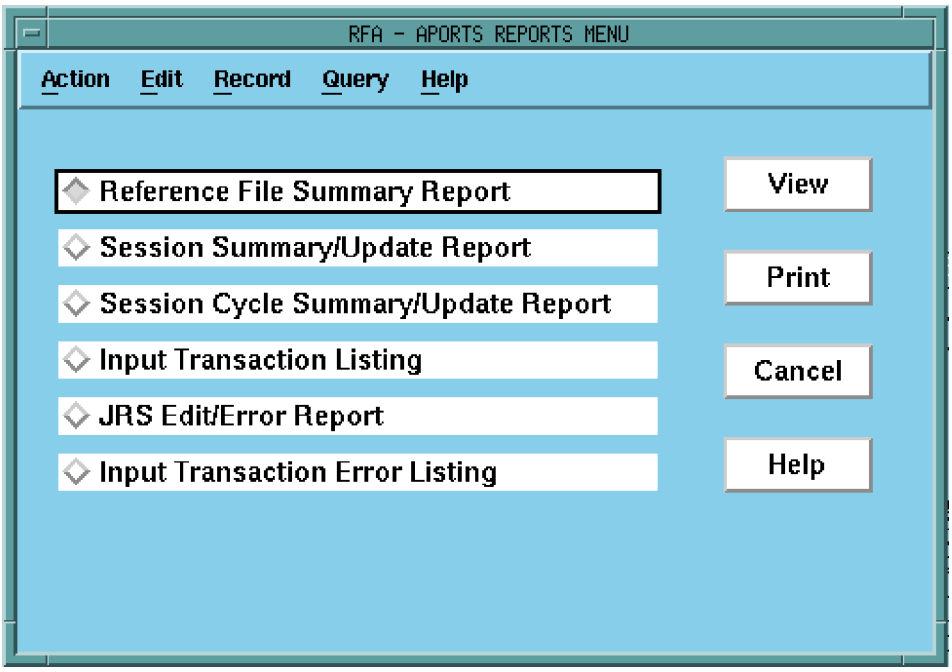

Figure 5.3.6.4-2. RFA - APORTS Reports Menu Window

Push Buttons. This window provides the following buttons:

{View} Provides the report on the window.

{Print} Provides the report on a printer. A pop-up window asks the user for the name of a particular printer.

{Cancel} Cancels the process, and returns the user to the RFA main menu.

{Help} Provides Online Help for this window.

Each report begins with a summary page, which may contain some or all of the following information: USERID, totals for items reported, total pages, sort sequence, start time, end time, and column heading definitions. The following paragraphs provide an overview of each type of report.

5.3.6.4.1 Reference File Summary Report

This report provides overview information for all the reference files (See Appendix B for sample report). For each file, one record is listed containing the following: reference subfile name, highest security classification of any data in each subfile, date and time of the last file update, and totals for active and canceled records.

5.3.6.4.2 Session Summary/Update Reports

A typical report consists of at least four pages. The first page, the summary report is followed by pages that show transaction records grouped by add, change, or delete transaction type (See Appendix B for sample report). This report lists the add, change, and delete transactions that took place during a user session. Change transactions are reported as before and after images of records updated during a session. The reports provided are described below:

1. **Airport Session Update Report**. Extracts all adds, changes, and deletes after reduction to the Airport Information database table. Details include geographic location code, parking area, throughput capacity, maximum number of passengers that can be handled, operational status, runway length, aviation code, maximum number of arrivals and departures, and cargo capacity and storage areas.

2. **Airport Aircraft Category Session Update Report**. Extracts all adds, changes, and deletes after reduction to the Airport Support Capacity for Aircraft Types Information database table. Details include geographic location code, aircraft type code, number of aircraft parked, and cargo capacity.

3. **Airport Clearance Session Update Report**. Extracts all adds, changes, and deletes after reduction to the Airport Clearance Information database table. Details include geographic location code, clearance mode, cargo clearance rate, and passenger clearance rate.

4. **Airport Remark Session Update Report**. Extracts all adds, changes, and deletes after reduction to the Airport Remark database table. Details include geographic location code and remark(s).

5. **Apron Session Update Report**. Extracts all adds, changes, and deletes after reduction to the Airport Surface Area Information database table. Details include geographic location code, apron identification code, surface type, dimensions, length, width, surface area, access width, number of apron, maximum aircraft load capacity, and total area.

5.3.6.4.3 Cycle Summary/Update Report

A typical report consists of at least four pages. The first page, the summary report is followed by pages that show transaction records grouped by add, change, or delete transaction type (See Appendix B for sample report). This report, which runs from the Network or Reports function, shows the update activity that took place during a complete update cycle. It is similar in format to the Session Update Report with some differences. First, the Cycle Update Report displays the reduced update transactions that took place during the update cycle; whereas, the Session Update Report shows the update transactions that took place during a session. The Cycle Update Report summary page shows the total number of update and reduced update

transactions; and the Session Update Report shows only the total number of update transactions. The reports provided are described below:

1. **Airport Cycle Update Report**. Extracts all adds, changes, and deletes after reduction to the Airport Information database table. Details include geographic location code, parking area, throughput capacity, maximum number of passengers that can be handled, operational status, runway length, aviation code, maximum number of arrivals and departures, and cargo capacity and storage areas.

2. **Airport Aircraft Category Cycle Update Report**. Extracts all adds, changes, and deletes after reduction to the Airport Support Capacity for Aircraft Types Information database table. Details include geographic location code, aircraft type code, number of aircraft parked, and cargo capacity.

3. **Airport Clearance Cycle Update Report**. Extracts all adds, changes, and deletes after reduction to the Airport Clearance Information database table. Details include geographic location code, clearance mode, cargo clearance rate, and passenger clearance rate.

4. **Airport Remark Cycle Update Report**. Extracts all adds, changes, and deletes after reduction to the Airport Remark database table. Details include geographic location code and remark(s).

5. **Airport Surface Area Cycle Update Report**. Extracts all adds, changes, and deletes after reduction to the Airport Surface Area Information database table. Details include geographic location code, apron identification code, surface type, dimensions, length, width, surface area, access width, number of aprons, maximum aircraft load capacity, and total area.

5.3.6.4.4 Input Transaction Listing Report

This report lists all input transaction records that were loaded from a JRS Transaction file. This report runs automatically after input transactions are loaded during a batch update (See Appendix B for sample report).

5.3.6.4.5 JRS Edit/Error Reports

The JRS Edit Report lists JRS-formatted input records that were loaded into a reference file. The JRS Error Report shows invalid records that were rejected during that load (See Appendix B for sample report).

5.3.6.4.6 Input Transaction Error Listing Report

This report lists all input transaction error records that were rejected during a load into a reference file. This report runs automatically after input transactions are loaded during a batch update. This report is similar in format to the Input Transaction Listing Report (See Appendix B for sample report).